PIKES PEAK RADIO AMATEUR ASSOC

Ø BEAT

COLORADO SPRINGS, COLORADO

MAY 1984

ARES ARES ARES ARES ARES ARES ARES ARES ARES ARES ARES ARES ARES ARES ARES

The 146.37/97 machine is now being used for the weekly ARES net. The net meets every Wednesday evening at 7:00PM. If you aren't an ARES member yet, it is not to late to contact Jake, NOCYR, or get an application at the regular meeting. WE NEED YOU!!

MEETING MEETING MEETING MEETING MEETING MEETING MEETING MEETING MEETING MEETING

The next regular meeting of the Pikes Peak Radio Amateur Association will be on Wednesday, May 9th, at 7:30 PM. Come early and bring the XYL or OM for dinner. The meeting will be at Guiseppe's Depot on Sierra Madre. The food is good, the people friendly and the atmosphere "railroady". See you there.

GENERAL MEETING MINUTES

The regular meeting of the Pikes Peak Radio Amateur Assoc. was called to order on April 10th at Guiseppe's Depot at 7:30PM. Forty six members & guests were present.

After introductions, Herb Moore, of the Nat'l Weather Service, held a discussion on weather patterns and types in our area. Herb has been with us before and has led interesting sessions.The club extends its appreciation to him.

Herb had a number of handouts covering tornadoes,floods and other natural phenomenon. He expressed his gratitude to hams who have helped the NWS, during severe weather, under the direction of Bud, WBOTIB.

Some of the points that were presented were: tornadoes are not new to the area; better reporting and increased population have give the appearance of an increase. Tornadoes here are usually small compared to their eastern counterparts. Winds are only 125 MPH with a path width of a few yards and a length of a mile or so. They move any direction on the high plains. Last year was a quiet year for thunderstorms and tornadoes, but this year could go either way.

The business meeting was conducted after the break. Les, KCONC, reported a treasury income of $131 and expenses of $1,081.78, leaving us a balance of $2,010.53. Mark, NOEPF, reported that there are about 17 students in the novice classes. Jim,KA0SLG, reported the initial classes ran smoothly.

Rosie, WA0MNL, reported that she and Oak, KOROL, had

continued on page 4

May, 1984 Ø Beat

P.P.R.A.A. DIRECTORS

PRESIDENT	* Al Vrooman NØCMW 1341 Diana Ln. 80909	473-1660
V. PRESIDENT	* Mike Stansberry KØTER 2630 E. Uintah 80909	
SECRETARY	* Mark Richardson NØEPF 24 N. Union 80909	473-1799
TREASURER	Les Borst KCØNC 2542 E. Bijou 80909	634-3995
Board Member	Bill Martin KQØH 4380 Sedate Ln. 80917	596-7519
Board Member	* Frank Drake KL7IPV 4964 Harvest Rd. 80917	597-2406
Board Member	Jake Jacobs NØCYR 104 Old Broadmoor Rd. 80906	634-2223
Board Member	Doc Cornel WØMCT 721 Lansing Dr. 80909	596-4216

ZERO BEAT is published monthly in the interest of the the members of the Pikes Peak Radio Amateur Association Inc., Colorado Springs, Colorado. Permission is given to reprint articles or excerpts provided credit is given. Deadline for submission of articles is the 21st of the month. Classifieds accepted anytime.

The Pikes Peak Radio Amateur Association meets on the second Wednesday of each month at Giuseppe's Depot Restaurant at 10 S. Sierra Madre at 7:30 p.m. All amateurs and interested parties are invited to attend.

Editor: Frank Drake KL7IPV, 4964 Harvest Rd. Colorado Springs, CO 80917 597-2406

FROM THE PRESIDENT'S DESK

I wish to thank all of you for making the 1984 Pikes Peak Radio Amateur Association Swapfest a success. Now is the time to start thinking of 1985. We still need a P.I.O. person. Anyone with ideas for programs or who knows of someone with a good program, please contact me or one of the board members. Please remember that my phone is always available for comments. This is your club. 73, Al NOCMW

FROM THE EDITOR'S DESK

I need help with the newsletter. I have a limited supply of copy that I can plagarize. If anyone has material that they think would be enjoyable reading, PLEASE give it to me. In a couple of months you mat see reruns here. It is bad enough that we must go through reruns on TV, but HERE?? This is your newsletter and I'd like to keep it interesting(assuming it has been in the past). Those of you who feel like literary giants now have the means by which you may display it. Comeon fellas(oops, another sexist slip there) lets see some stuff. 73,Frank

!!!!SWAPFEST WINNERS!!!!

WHAT FOLLOWIS IS THE LIST OF THOSE LUCKY SOULS THAT STRUCK IT RICH DURING THE SWAPFEST DRAWINGS.

THE WINNER OF THE 19" TV WAS:James Putnam of Colorado Springs.
THE WINNER OF THE SCANNER WAS:Charles Biggs/KCOTI (nope, it wasn't rigged!)
THE WINNER OF THE $100 AWARD WAS:Art, KCOVL of Nathrop, Co.
Congatulations to all the winners. I hope everyone enjoyed the day.

FOR SALE FOR SALE FOR SALE FOR SALE FOR SALE FOR SALE

JIM OWENS, KR7J, HAS THE FOLLOWING FOR SALE;

1 each steel work bench, 30" X 5' in size, $30
1 each Dumont 5" scope(it works) with extra CRT,$30
1 each "Super-pro" rec'r- good shape & works, $75

If you are interested, call him on two meters during the "race-net" in the mornings and evenings or at home at 591-2212.

****

An uncoordinated repeater has been removed from the 2-meter band by the FCC. The action took place in San Diego, CA about a month ago with details only now coming public. The situation revolved around 2 repeaters separated by 30 miles. One was operating with the blessing of the repeater coordinator while the other had filed for coordination.

After several months of correspondence with the system licensee, the FCC San Diego Field Office determined that the uncoordinated system was in their view the cause of the interference to the coordinated system and sent a letter to the trustee that ordered the uncoordinated system off the air. The trustee complied, but then sent a letter to the Commission requesting clarification as to what authority it had to take this stand. In response Carol P. Foelak, of the Compliance Branch of the Special Services Division, wrote the individual stating "when repeaters interfere with each other the Commission must resolve the problem. When an uncoordinated repeater interferes with a coordinated repeater, the conflict is resolved in favor of the coordinated repeater." As a basis for this decision e referred to an April 1983 opinion paper authored by Jim McKinney issued to the Tri-State Amateur Repeater Council (New York, New Jersey and Connecticut). The FCC took a stand giving coordinating councils and the ARRL national band plan official recognition. This illustrates that the Tri-State opinion of 1983 will be enforced. Similar enforcement is now expecteo shortly in several other northern California and northeastern United States cases. (Thanks to Bill Pasternak, WA6ITF and Karl Pagel, N6BVU.) TNX: The ARRL Newsletter

The paragraph above is from:

LEARA WB8CQR CLEVELAND OHIO AMATEUR RADIO

REPEATER NEWSLETTER

Ten Commandments For Technicians

1. **Beware the lightning that lurketh in the undischarged capacitor, least it cause thee to bounce upon thy buttocks in a most untechnician-like manner.**

2. **Cause thou the switch that supplieth large quantities of juice to be opened and thusly tagged, that thy days in this earthly vale of tears may be long.**

3. **Prove to thyself that all circuits that radiateth and upon which thou worketh are grounded and thusly tagged lest they lift thee to radio frequency potential and causeth thee to make like a radiator, too.**

4. **Tarry thou not amongst those fools that engage in intentional shocks for they are surely nonbelievers and are not long for this world.**

Centennial ★ ★ RCA ELECTRONICS
2324 East Bijou, Colorado Springs, CO 80909
PHONE: (303) 633-4666

COLUMBIA ELECTRONIC CABLES
Weller® Xcelite®
SPRAGUE
GC ELECTRONICS
SIMPSON METERS
Chemtronics Inc.,
SOAR & VIZ Mfg. Co.
TEST INSTRUMENTS
TECH SPRAY
ARRL
Howard W. Sams
Largest Supply of Electronic Parts In Southern Colorado
& TAB BOOKS

Minutes (cont.)

volunteered to run a club sponsored hospitality room at the convention. Anyone who is wishing to help can contact one of them.

The club picnic is set for August 12th at the Black Forest Pavillion.

The meeting was adjourned at 9:15PM. The next meeting is May 9th at Guiseppe's.

See you there.

Respectfully submitted,
Mark, NØEPF

BOARD MEETING MINUTES

The board meeting was held on April 16th at Bill's, KQOH, house. Members present were: Bill; Mike, KØTER; Les, KCØNC; Doc, WØMCT; Al, NØCMW; Frank, KL7IPV; Jake, NØCYR.

Jake moved that the club rent a Beta VCR for the novice classes until the problem with the school recorders is resolved. 2nd was by KL7IPV. Motion passed unanimously.

Les figured that after expenses, the club made $516 from the swapfest. Swapfest committee '85 is formed and will make reccomendation to the club for '85. Would like the members input for them to work on for next year.

Programs for next few months were discussed. For May, Jerry Johnson is to present "Balanced Modulators". June and July not firm but tentatively are "Teletype"& "VHF Program".

A discussion followed concerning the Zero Beat layout.

Mike, KØTER, discussed what to do with the club equipment. Mike is to make a list of what to keep and what to dispose of and present it to the board. After review, the board is to present its findings to the membership for approval.

Mike is to chair the Field Day operation. It will be at Rampart range Rd. It will have four station on the air:CW, Novice, HF, & VHF. Les will operate the novice station and Jake will operater the Sunday morning stove. He is the cook for breakfast then. Lucy, Mike's XYL, will handle the Saturday afternoon hamburger dinner.

Mike suggested that the club look into getting a small trailer for the club to use on ongoing club functions(field day,emergencies, etc.).

Les proposed that the club pay for everything at the picnic, that members onlybring salads and eating utensils. Les made that a motion & Doc, WØMCT, seconded. Motion passed

Mike discussed what to do with the monies the club makes from the monthly drawings.

Jake asked what to do with the food left over from the swapfest. Bill moved that the food be used at the ARRL convention hospitality room. Seconded by NØCYR. Passed.

Meeting adjourned at 9:35PM

Submitted by:
Frank, KL7IPV

WELCOME TO THESE NEW MEMBERS

Don Hohisel WDØHWS 1207 Whitehouse Dr.,
Colo Spgs, CO. 80904 471-0581

John Knight K5HGX 7505 La Avenida,
Dallas, TX 75248 661-5773

James Lind WD5FYT 4295-B Airport Rd.,
Colo Spgs, CO 80910 594-1000

Lorraine Stuckman WB7VIV 4345 Sandstone Dr.,
Monument,CO. 80132 481-2787

If it's CW, it's communications.
832-1111 ALL MAJOR BRANDS SALES·SERVICE 832-1111
8-5:30 Mon.-Fri. 8:30-1 Sat.

5. Take care that thou useth the proper method when thou takest the measure of a high-voltage circuit lest thou incinerate both thyself and thy meter, for verily, though thee hast no account number and can be easily surveyed; the test meter doth have one and, as a consequence, bringeth much woe unto the supply room.

6. Take care thou tampereth not with interlocks and safety devices, for this incurreth the wrath of the supervisor and bringeth the fury of the safety inspector upon thy head and shoulders.

7. Work thou not on energized equipment, for if thou so dost, will thy fellow workers surely buy beers for thy widow and console her in other ways.

8. Service thou not equipment alone, for electrical cooking is a slothful process and thou might sizzle in thy own fat for hours upon a hot circuit before thy maker sees fit to end thy misery.

9. Trifle thou not with radioactive tubes and substances lest thou commence to glow in the dark like a lightning bug and thy wife have no further use for thee except thy wages.

10. Causeth thou to be tagged all modifications made by thee upon equipment, lest thy successor tear his hair and go slowly mad in his attempt to decide what manner of creature hath made a nest in the wiring of such equipment.

Author Unknown

contributed by Doug KL7IKX

VIDEO COMMUNICATIONS
Home computer products

Star C. Itoh OKIDATA
Prowriter
EPSON SAVE SMITH CORONA
PRINTERS MODEMS COMPUTERS
BIG SAVINGS
MONITORS DISKETTES
call for prices

I HAVE SOMETHING TO SAY!

Bob Haggart
(303) 392-9743

158 Widefield Blvd.
Colorado Springs, CO 80911
(Widefield)

FOR SALE Lots of early 1930's cabinet radios, most play. KAØPOY Bill Busetti 784-3540, 1124 W. 2nd St., Florence.

GC ELECTRONICS
GTE SYLVANIA
ECG SEMICONDUCTORS
Channel Master
THORDARSON
HANDY
COLORADO SPRINGS
WALKER ELECTRONICS
2838 NORTH PROSPECT ST.
COLORADO SPRINGS, COLORADO 80907
PHONE (303) 636-1661
WHOLESALE DISTRIBUTORS
EXPERIMENTERS ITEMS
HEADPHONES — SPEAKERS
ANTENNA INSTALL. MATERIALS
MICROPHONES
CHEMICALS — TOOLS
WIRE AND CABLE
SERVICE AIDS
LEADER Instruments Corp.
Regency

May 1984, Ø Beat

ARRL ROCKY MOUNTAIN DIVISION CONVENTION & CONFERENCE

SPONSORED BY: COLORADO SECTION CLUBS
HOLIDAY INN, HOLIDOME CONVENTION CENTER I-70 & CHAMBERS
MAY 25,26,27, 1984

UPDATED INFORMATION ON CONVENTION AS OF MARCH 84.....REASONS TO ATTEND.

FORUMS AVAILABLE

ANTENNA'S
CONTESTING
CW PROFICIENCY
DX
MOBILE OPERATION
PACKET RADIO
PROPAGATION
RTTY
SATTELITE
TRAFFIC
UHF/VHF

ARRL Forum: Meet with:
Carl Smith, WØBWJ, Lys Carey, KØPGM,
Sally O'Dell, KBlO, Jim Clary, WB9IHH

SPECIAL GROUP EVENTS

ARES
CCARC
QCWA
MARS
NTS-CTS
MARCCO

HOSPITALITY ROOMS

CCARC, DRC, RMRL, ARA, MARCCO

INDOOR SWAP MEET

LADIES ACTIVITIES

SHOWROOM BOOTH SPACE & MORE COMING

ARRL
BEALE ELECTRONICS
CW ELECTRONICS
COLORADO AMATEUR RADIO
COLORADO RESEARCH
ELECTRONIC BROKERS
HAL COMMUNICATIONS
HAWK TECHNOLOGY
AURORA MARKETING (CUSHCRAFT, LARSEN,BIRD)
HEATHKIT
ICOM
KANTRONICS
LEISURE TIME
MILEY's Radio
WØJNI Jerri Arnold
NWS, QCWA

PRIZE DONATOR'S 140 PRIZES AND MORE COMING

AQUA POOLS WDØAUM
BEALE ELECTRONICS
COLORADIO RESEARCH
COMMERCIAL T.V. KØDU
ENCOMM
HAM RADIO
HEATHKIT
KANTRONICS
PMM WESTERN WEAR
RADIO SHACK
WORLD RADIO
CUSHCRAFT ANTENNA's
AURORA MARKETING
CW ELECTRONICS
CQ RADIO
ELECTRONIC BROKERS
FISTELL'S
HAL COMMUNICATIONS
ICOM
KOSI FM RADIO
RADIO AMATEUR CALLBOOK
RCA CORPORATION
WØBIL QSL CARDS
LARSEN ANTENNA's
ARRL
COLO AMATEUR RADIO
COORS
ELECTRONIC BITS & PC's
GATEWAY ELECTRONICS
HAWK TECHNOLOGY
JET ELECTRONICS
LEISURE TIME
RADIO SERVICE CENTER
SAFEWAY STORES
WBØDUV
MILEY'S RADIO

INDOOR SWAP MEET.....1 TABLE FREE WITH REGISTRATION PER FAMILY

SEND REGISTRATION TO: ARRL ROCKY MOUNTAIN DIVISION CONVENTION
C/O BILL SHEFFIELD, KQØJ, SECTION MANAGER
1444 Roslyn Street....Denver, Colo 80220

NAME..FRANCIS DRAKE.....CALL..K2TIPV....

ADDRESS..4964 HARVEST RD.....

REGISTRATIONS $5.00, AFTER MAY 10th $7.00 ....

BANQUET (SAT) SPECIAL PRIZES $15.00 ....

BRUNCH (SUN) $7.00 ....

Hotel Room Rate, $49.50 per nite (4 to a room)

MILEY'S RADIO

Jess KØTAA 719 W. 7th St. Florence, Colorado 81226 784-3040

Hours 8 to 6 Tuesday through Friday — 8 to 1 on Saturday. Closed Saturday PM, Sunday and Monday.
Evening Hours 7 to 9 (Call Ahead)

NEW EQUIPMENT IN STOCK

Kenwood TS 930S Sale $1380 w/auto tuner $1545.
Kenwood TS 430S $695.
PS 430 Power Supply $134.
Kenwood AT130 antenna tuner-shop demo w/warranty $110.
Kenwood AT250 auto antenna tuner for 430S $290.
Kenwood TS 830S $795.
Icom 730 $599
Icom 745 $775.
Yaesu FT 757GX $740.
Kenwood 4000A 2m & 440 FM Xcvr List $699 Sale $540.
Same as above w/ voice synthesiser $580.
Kenwood TR-7950 45W List $439 - sale $345.
Kenwood 7930 $314.
Kenwood TR 2500 HT $288.
Kenwood TM201A mini 25 watt FM w/ext. spkr. $325.
PC 10 freq controller for 201A-List $49.95 $45.
New Santec 142 2M HT-Best HT on the Market $279.
Santec 144uP 2M HT $265.
Santec 440uP 440 Mhz HT $279.
Tokyo Hi Power 32V 2/30 watt 2 mtr FM SSB amp $74.
Tokyo Hi Power 30V 2/30 watt 2 mtr FM amp $59.
Tokyo Hi Power 160V 25 watt drive — List $329 Sale $279
Tokyo Hi Power 160V 3/10 watt drive — List $349 Sale $289
Tokyo High Power HC 50 80-10 SWR/watt meter — 200 watt tuner w/ WARC bands. List $100 Sale $79.
Icom 02AT $319.
Icom 27A $319.
Icom 2AT HT Reg. $269 Now $214.
Icom 25H — Green LED 45 W $340.
New Icom 25A Green LED $310.
Vocomm Power Pocket for IC 2A $175.
New Azden PCS 4000 $269.
New Azden PCS 300 HT $269.
New KDK 2033 mini 25W w/TTM & LCD display $279.
Yaesu FT 208R 2 mtr. synth. HT $239.
Yaesu FT 708R $239.
Kantronics interface for VIC 20 and others $125.
Kantronics Hamsoft for VIC 20 $46.
Kantronic Hamtext for VIC/Com 64 $90
AMTOR Soft In Stock - $90.
Kantronics Interface II - $245.
Kantronics Field Day II CW/RTTY reader-demo $175.
New MFJ 1224 interface in stock $90.
New MFJ 1224 interface w/MFJ CW/RTTY/ASCII-comb. price $125.
Commodore 1702 color monitor $245
Commodore 1541 Disk Drive $239
Commodore MPS 801 printer $215.

Software Galore For The Commodore 64

USED EQUIPMENT

Icom 25A w/2 mounting brackets-exc. cond. $245.
Icom 255A w/o TTM $175.
Icom 255A w/TTM $200.
Icom 2A $150.
Kenwood TR 7800 $200.
Vocomm Power Pocket $125.
Yaesu FR 101D digital rcvr w/CW filter $275.
Yaesu FRG 7 general coverage rcvr. $150.
(2) Yaesu phone patches $50 each.
Yaesu FT 207R synth HT $135.
Swan 100MX solid state HF mobile - mint $275.
Swan PSU 5 power supply $95.
Azden PCS 2000 excellent condition w/TTM $175.
Midland 13-510 1 & 25 watt 2 meter mobile $150.
Henry 2/5 in 135 out 2 meter amp $135.
KLM 30/140W 2 meter amp $85.
KLM 2/70W 2 meter amp $85.
Dentron 80-10 AT 200 W tuner $45.
Heath SB 200 linear $250.
Heath IM 2410 freq. counter - 225 MHz $100.
Galaxy 5 w/ AC supply and speaker $195.
Galaxy DC1000 mobile power supply $25.
Collins crystal pack — 117 crystals in plastic pouch $150.
Collins R 392 HD AC supply, manuals and some spare tubes, power and headphone connectors $190.
Dentron GLA 1000 1.2 kw PEP amp $220.
National NC 300 recvr. w/calibrator-Mint $125.
Hallicrafters SX 62 rcvr., w/spkr, complete electrical recondition $100.
Zenith Transoceanic tube type, clean w/spare tubes $40.
Military rcvr. 2-18 MHz, works good $35.
Atlas 210X $300.
PS for Atlas $60.
Mounting brackets $15.
Atlas 350 xl w/p.s., like new $550.

Wide selection of amateur antennas-base, mobile, HF, VHF, UHF at reduced prices
We now stock Hygain, Hustler, Cushcraft and Larsen antennas
The new ARRL "The FCC Rulebook" — $3.00
84 Handbooks - In Stock
84 U.S. and DX Callbooks - In Stock
New Repeater Directories In Stock
New ARRL Satellite book $10.00
ARRL, Ameco and Bash books and tapes
"We handle anything electronic and love to trade"
Much more used & consignment gear — call for info

Membership Application
PIKES PEAK RADIO AMATEUR ASSOCIATION

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License Class _____

Are You An ARRL Member? ☐ Yes ☐ No Telephone _____

Full Member $12.00 ☐

Family Membership $15.00 ☐

Additional Names _____ Calls _____

_____ _____

_____ _____

Associate Member $8.00 ☐ (Outside Teller & El Paso Counties.)

Ø BEAT

COLORADO SPRINGS, COLORADO

May 1984

Frank Drake KL7IPV
4964 Harvest Lane
Colorado Springs, CO 80917

FIRST CLASS MAIL

FRANK DRAKE
KL7IPV
4964 HARVEST RD.
COLO. SPGS. CO 80917